

TITLE: Post Graduate Researcher – Geological and Environmental Sciences
DEPARTMENT: Department of Energy
AGENCY: National Energy Technology Laboratory
LEVEL: Research Scientist or Engineer
OPEN PERIOD: **This position will be open until August 8, 2014**
POSITION INFORMATION: Temporary, 1-3 years part-time (8-16 hours per week)
DUTY LOCATIONS 1 vacancy at either Morgantown, WV; Pittsburgh, PA; or Albany, OR
WHO MAY BE United States Citizens & Foreign Nationals with appropriate approval
CONSIDERED:

SUMMARY:

Through the Oak Ridge Institute for Science and Education (ORISE) this posting seeks motivated scientists and engineers interested in working as part of the geologic and environmental sciences focus area research team at NETL. NETL is a multi-disciplinary, scientific and technical-oriented national laboratory. NETL's Office of Research and Development (ORD) conducts research to evaluate environmental impacts and risk assessments associated with domestic energy resource development.

At present, the team is looking for support from applicants with a PhD and 3-5 years of postgraduate experience in one or more of the following areas: geophysics, geomechanics, civil engineering, or environmental engineering.

KEY REQUIREMENTS:

- Applicants must be U.S. Citizens or approved Foreign Nationals
- Suitable for Federal employment, as determined by background investigation.
- Must hold a Masters and/or PhD degree from an accredited institution in a field appropriate for the applicant's area of expertise.

HOW TO APPLY:

Applicants should apply through the Oak Ridge Institute for Science and Education (ORISE) program. The ORISE Program provides opportunities for undergraduate students, recent graduates, graduate students, postdoctoral researchers, and faculty researchers. NETL utilizes the ORISE program to support research and work within NETL's Office of Research & Development.

- Interested applicants should complete the online application at <https://www.ornl.gov/netl>
- In the online application **indicate your preferred NETL location** and **list Grant Bromhal as your requested mentor**. This will associate your application with this posting.
- If you have additional questions please contact Nancy Andres, Nancy.Andres@NETL.DOE.GOV, who is the NETL ORISE program contact.

ADDITIONAL INFORMATION:

As an ORISE post-graduate researcher with the U.S. Department of Energy's National Energy Technology Laboratory, you are expected to be an active member of a research team. Duties include formulating specific research plans, supporting and performing laboratory experiments and/or numerical simulations, data analysis and interpretation, presenting results to both internal and external audiences, preparing manuscripts for publication in peer-reviewed journals. Some specific research topics for which we are seeking support include but are not limited to:

- (1) Interact with an interdisciplinary team of scientists and engineers from several national labs as part of the National Risk Assessment Partnership (NRAP) on monitoring techniques for carbon storage. Provide guidance to NETL personnel on monitoring techniques and research for CO₂ storage. Aid in the development of a synthetic data set for NRAP.